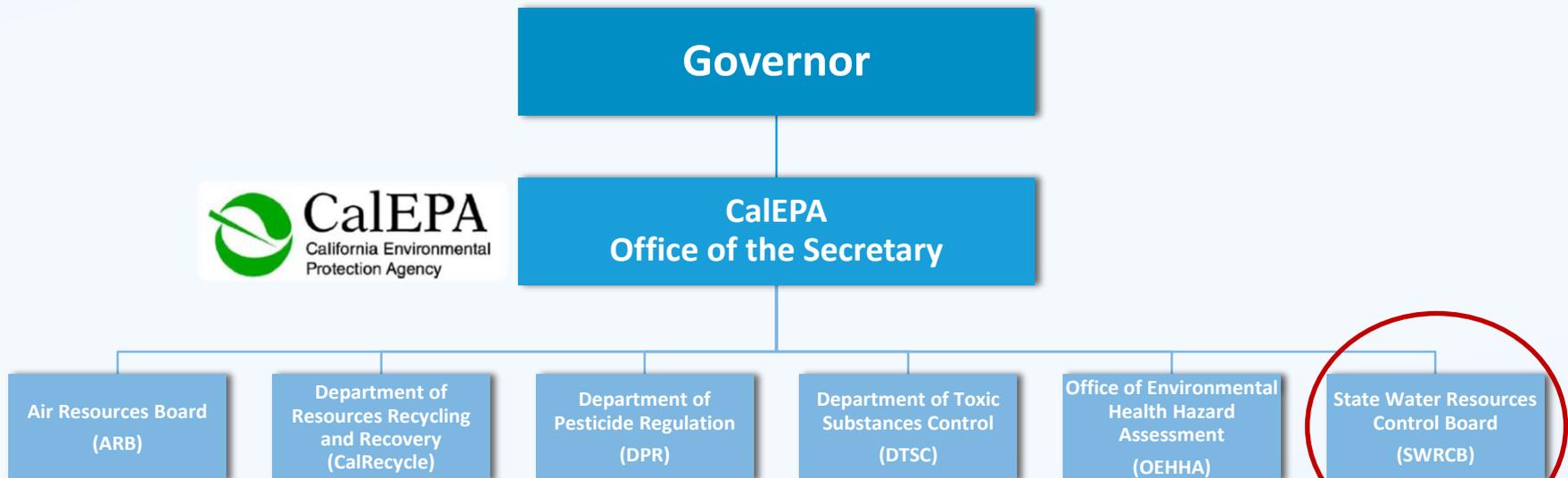


# **Industrial General Permit 2014: 0057- DWQ Minimum Best Management Practices**

**Los Angeles Regional Water Quality Control Board  
Stormwater and Compliance Unit  
November 2015**

# State Water Resources Control Board

A state regulatory agency that is a part of the California Environmental Protection Agency (CalEPA):



# Los Angeles Regional Water Quality Control Board

*The goals of the Los Angeles Regional Water Quality Control Board (Regional Board) are to protect and restore water resources, and to uphold stringent standards to protect people's health, water quality and the environment, today and into the future.*

# Industrial General Permit for Storm Water Associated with Industrial Activities (IGP)

- What is this permit?
  - Regulates industrial storm water run-off and authorized non-storm water run-off from industrial facilities in California.
- Who needs this permit?
  - Industrial facilities such as:
    - Manufacturers
    - Transportation and vehicle maintenance job sites
    - Recycling facilities (including auto dismantlers and auto scrapping)
    - Steam generating electricity
    - Hazardous waste facilities
    - Larger sewage and wastewater plants
    - Oil and gas facilities that do not qualify for an exemption

# What is Stormwater?

- Rain water from a site that flows into a drainage area which leads to a water body like a river, a stream, a lake or the ocean
- May contain pollutants that accumulate during dry weather
- A significant source of water quality pollution for many urban communities

# What are Minimum Best Management Practices (BMPs)?

- Actions taken to reduce environmental hazards
- Techniques, measures or structural controls used to manage the quantity and improve the quality of stormwater run-off, in this case, from an industrial facility
- Efficient, economic and effective ways to comply with the permit

# Minimum Best Management Practice #1: Good Housekeeping

- Clean up:
  - Debris and clutter
  - Chemicals and spills
  - Tracked and leaked materials
- Keep off the ground:
  - Parts and drums
- Cover:
  - Equipment and machinery

# Poor Housekeeping Practices



# Clutter and Debris



# Uncontained and Uncovered



# Best Management Practices



# Best Management Practices



# Covered Equipment



# Minimum Best Management Practice #2: Preventive Maintenance

- Identify equipment or chemicals stored outdoors that may spill or leak
- Have a maintenance plan
- Repair equipment on a regular basis

# Uncovered Batteries and Auto Parts



# Minimum Best Management Practice 3: Spill/Leak Prevention and Response Plan

- Develop and post a spill and leak response plan
- Train personnel how to store chemicals and contain spills properly
- Keep spill containment and cleanup tools handy

# Minimum Best Management Practice #4: Materials Handling and Waste Management

- Prevent or minimize handling materials or wastes that can be washed away by stormwater contact
- Contain non-solid wastes like particulates, powders and shredded paper that can be transported by wind or rain

# Lack of Best Management Practices



# Lack of Best Management Practices



# Best Management Practices



# Best Management Practices



# Best Management Practices



# Minimum Best Management Practice #5: Erosion and Sediment Control

- Implement effective wind erosion control
- Stabilize eroded areas
- Maintain effective perimeter controls
- Divert run-on and stormwater generated from within the facility far away from waste and chemicals

# No Spill Response or Preventive Measures



# Good intention, but...



# Minimum Best Management Practice #6: Employee Training Program

- Ensure all pollution-prevention team members and staff are trained in maintaining best practices on the job
- Provide a training schedule
- Maintain training records

# Minimum Best Management Practice #7: Quality Assurance and Record Keeping

- Coordinate with your qualified industrial stormwater practitioner (QISP) to:
  - Take acceptable samples
  - Implement best management practices
  - Record and track the effectiveness of best management practices
  - Keep your Storm Water Pollution Prevention Plan (SWPPP) up-to-date

# How to Report an Unpermitted Business

- If you have knowledge of a business that may not be enrolled under the General Industrial Permit, please contact Harumi Goya
  - Phone: (213) 620-2283
  - Email: [harumi.goya@waterboards.ca.gov](mailto:harumi.goya@waterboards.ca.gov)
- Or to file any other environmental complaint, you may visit our website at [www.waterboards.ca.gov/losangeles](http://www.waterboards.ca.gov/losangeles) and click on the [File an Environmental Complaint](#) link

# Los Angeles Regional Water Quality Control Board Contacts

Ejigu Solomon, Stormwater and  
Compliance Unit

[esolomon@waterboards.ca.gov](mailto:esolomon@waterboards.ca.gov)

213.620.2237

Susana Lagudis, Public Participation

[susana.lagudis@waterboards.ca.gov](mailto:susana.lagudis@waterboards.ca.gov)

213.576.6694

# Best Management Practices Are:

- Good for workers
- Good for business
- Good for the community

**Thank you**

**Gracias**

**Հնորհակալություն**